

Title (en)

A MAGNETIC SELF-RANGING SYSTEM FOR USE IN THE DEGAUSSING OF SHIPS

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Application

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Priority

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Abstract (en)

[origin: WO8702324A1] A simple, portable self-ranging system is used to measure the magnetic signature of a ship so that compensatory adjustments can be made to its degaussing system. One or more magnetometer assemblies (12, 13) are placed on the seabed and as the ship (11) follows a known straight course over the area, data from the magnetometers is transmitted to computer means on board the ship (11) where the data is processed using a magnetic model capable of predicting the magnetic field over an area greater than that covered by the self-ranging system. This predicted field is then used to determine the optimum setting for the degaussing system to compensate for the ship's magnetic signature.

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